

1 CEMENTITIOUS COMPOSITIONS AND CEMENTITIOUS SLURRIES  
2 FOR PERMANENTLY PLUGGING ABANDONED WELLS AND  
3 PROCESSES AND METHODS THEREFOR

4 ABSTRACT OF THE DISCLOSURE

5 A dry cementitious composition which when slurried with  
6 water produces an economical hydraulic cementitious slurry  
7 for closing abandoned wells. The dry cementitious  
8 composition is a cement/CKD blend as the major component  
9 with a weight ratio of parts cement to parts of CKD between  
10 about 2/3 and about 3/1. Hydraulic cementitious slurries  
11 when cured can produce hard cementitious bodies which will  
12 meet or exceed the API specification for a competent hard  
13 plug. A process for blending the cement and CKD during  
14 transit from the cement source to the off-load site without  
15 requiring further blending after off-loading. Methods are  
16 provided for determining the formulation having the cheapest  
17 cost per unit volume of hydraulic cementitious slurry  
18 thereby enabling competitive quotes based on cf of hydraulic  
19 cementitious slurry required.

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